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Signature

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Wunton Hour

2007

Winston Hsu

NOV 14



PTO/SB/21 (10-07)

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**Application Number** 

10/605,250

İ TRANSM	UTTAI			
		Filing Date	09/17/2	2003
FOR	KIMI '	First Named Inventor	Tzu-Hu	ing Cheng
		Art Unit	2624	
(to be used for all correspor	ndence after initial filing)	Examiner Name	Smith, .	Jeffrey S
Total Number of Pages in Th	is Submission 9	Attorney Docket Number	PMXP0	0159USA
	En	NCLOSURES (Check	all that apply)	After Allowance Communication to TC
Fee Transmittal Form  Fee Attached  Amendment/Reply  After Final  Affidavits/dec	elaration(s)	Drawing(s)  Licensing-related Papers  Petition  Petition to Convert to a Provisional Application Power of Attorney, Revoca Change of Correspondence Terminal Disclaimer		Appeal Communication to Board of Appeals and Interferences  Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  Proprietary Information  Status Letter  Other Enclosure(s) (please Identify below):
Document(s)  Reply to Missing Parts/ Incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53		Landscape Table on	CD, Number of CD(s) 2. Copies of the 3. A copy of the	
		•		
	SIGNATURI	OF APPLICANT, ATT	ORNEY, OF	RAGENT
Firm Name North Ar	nerica Intellectual I	Property Corporation		

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Reg. No.

41,526

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Effective on 12/08/2004... Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). FEE TRANSMITTAL For FY 2008

Complete if Known				
Application Number	10/605,250			
Filing Date	09/17/2003			
First Named Inventor	Tzu-Hung Cheng			
Examiner Name	Smith, Jeffrey S			
Art Unit	2624			
Attorney Docket No.	PMXP0159USA			

Applicant claims small	entity status	<ol> <li>See 37 CFR 1.7</li> </ol>	27		$\longrightarrow$	,	
	<del></del>		<del>"                                    </del>	Art Unit		2624	
TOTAL AMOUNT OF PAY	MENT (\$)	) 0.00		Attorney Docket	t No. F	PMXP0159USA	1
METHOD OF PAYMEN	T (check al	I that apply)					
Check Credit Card Money Order None Other (please identify):  Deposit Account Deposit Account Number: 50-3105  Deposit Account Name: North America Intellectual Property Corporation							
For the above-identi	fied deposit	account, the Direc	tor is her				
✓ Charge fee(s)	) indicated be	wole		Charg	je fee(s) i	ndicated below, ex	ccept for the filing fee
under 37 CFF WARNING: Information on this Information and authorization	R 1.16 and 1. is form may be	ecome public. Credi		· · · · · · · · · · · · · · · · · · ·	•	rpayments uded on this form. Pr	rovide credit card
FEE CALCULATION							
1. BASIC FILING, SEAF	FILING F	FEES Small Entity	SEAR	CH FEES Small Entity	•	INATION FEES Small Entity	For a Boid (\$)
Utility	310	<u>Fee (\$)</u> 155	Fee (\$) 510	- 122.141	<u>Fee (</u>		Fees Paid (\$)
Design	210			255	210		
Ç		105	100	50	130	03	
Plant	210	105	310	155	160	00	<del></del>
Reissue	310	155	510	255	620	0.0	
Provisional	210	105	0	0	0	0	
Fee Description Each claim over 20 (i Each independent cla	Each claim over 20 (including Reissues) 50 25 Each independent claim over 3 (including Reissues) 210 105 Multiple dependent claims 370 185						
- 20 or HP =	Extra Clain		_=	Paid (\$)		Fee (\$)	ependent Claims Fee Paid (\$)
<u>Indep. Claims</u> 3 or HP =	HP = highest number of total claims paid for, if greater than 20.  Indep. Claims						
HP = highest number of independent claims paid for, if greater than 3.  3. APPLICATION SIZE FEE  If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$260 (\$130 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets  Extra Sheets  Number of each additional 50 or fraction thereof  Fee (\$)  Fee Paid (\$)							
4. OTHER FEE(S) Non-English Specific			l entity (	discount)			Fees Paid (\$)
Other (e.g., late filing	z surcharge`	a):					, , , , , , , , , , , , , , , , , , ,

SUBMITTED BY Registration No. 41,526 Telephone 3027291562 Signature Winters block Date NOV 14 Name (Print/Type) Winston Hsu

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#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No. : US 7,283,680 B2

Issue Date : Oct. 16, 2007

Inventor : Tzu-Hung Cheng

Docket No.: PMXP0159USA

Title: METHOD FOR IMAGE PROCESSING BY UNSHARP MASKING

To: Commissioner for Patents

P.O. BOX 1450

Alexandria, VA 22313-1450

Subject: Request for Certificate of Correction of Office

Mistake

Dear Sir,

The application number of the Foreign Application Priority Data listed on the front page of the Patent is incorrect (Attachment 1). Documents on record indicate this as an Office mistake of consequence.

The applicant hereby requests that a Certificate of Correction be issued under 37 CFR 1.322 to correct the application number of the Foreign Application Priority Data from "03145390" to "03145390.2" which was correctly listed on the Filing Receipt dated 12/05/2003 (Attachment 2) and the Foreign Priority data showed on public PAIR (Attachment 3).

Respectfully submitted,

Winten Har Date: NOV 14 2007

Winston Hsu, Patent Agent No. 41,526

P.O. BOX 506, Merrifield, VA 22116, U.S.A.

Voice Mail: 302-729-1562 Facsimile: 806-498-6673

e-mail : winstonhsu@naipo.com

(Note: Please leave a message in my voice mail if you need to talk to me. The time in D.C. is 13 hours behind the Taiwan time, i.e. 9 AM in D.C. = 10 PM in Taiwan).



# (12) United States Patent Cheng

### (10) Patent No.:

# US 7,283,680 B2

(45) Date of Patent:

Oct. 16, 2007

(54)		RP MASKING				
(75)	Inventor:	Tzu-Hung Cheng, Taipei (TW)				
(73)	Assignee:	Primax Electronics Ltd., Neihu, Taipei				

(TW)	 . 01110	ziu.,	1 (017)	i, impo	•
C L.:	 4:1-	·			

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 869 days.

Appl. No.: 10/605,250

(22)Filed: Sep. 17, 2003

(65)**Prior Publication Data** US 2005/0008249 A1

Jan. 13, 2005 (30)Foreign Application Priority Data

Ju	1. 7, 2003	(CN)	03 1 45390
(51)	Int. Cl. <i>G06K 9/40</i>		(2006.01)
	H04N 5/21		(2006.01)
(52)	U.S. Cl		382/260, 382/266; 348/625
(60)	T21-1-1 - C (C1)		2. 0. 1

Field of Classification Search .............................. 382/132, 382/260, 263, 264, 266; 348/625 See application file for complete search history.

U.S. PATENT DOCUMENTS

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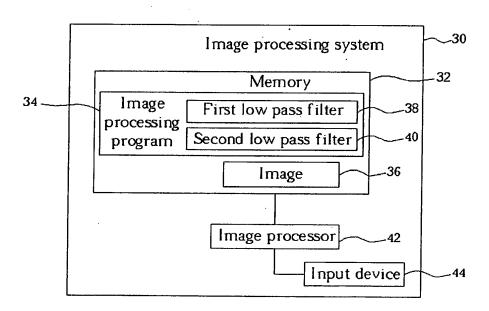
\* cited by examiner

Primary Examiner—Jingge Wu Assistant Examiner—Jeffrey S Smith (74) Attorney, Agent, or Firm-Winston Hsu

#### (57)**ABSTRACT**

A method for adjusting an image signal by a processor includes providing a first low pass filter and a second low pass filter, generating an energy ratio of a band-pass image signal and the image signal according to the standard deviation of a first low pass signal of the first low pass filter and a second low pass signal of the second low pass filter, providing an image adjustment parameter and generating a weighting coefficient of the image signal according to the energy ratio and the image adjustment parameter, generating a third low pass filter according to the weighting coefficient of the image signal, the image adjustment parameter, the first low pass signal of the first low pass filter and the second low pass signal of the second low pass filter, and adjusting the image signal according to the image signal and the third low pass filter.

#### 20 Claims, 7 Drawing Sheets



Page 1 of 2



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UNITED STATES DEPARTMENT OF COMMERCE United States DEFARIMENT OF COMMIT United States Patent and Trademark Office Address COMMISSIONER FOR PATENTS Alexandra, Viginia 22313-1450 www.usplu.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY.DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/605,250	09/17/2003	2614	750	PMXP0159USA	7	20	2

**CONFIRMATION NO. 2249** 

**FILING RECEIPT** 

OC000000011426928

Date Mailed: 12/05/2003

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Tzu-Hung Cheng, Taipei City, TAIWAN;

NAIPO (NORTH AMERICA INTERNATIONAL PATENT OFFICE)

Domestic Priority data as claimed by applicant

Foreign Applications

CHINA 03145390.2 07/07/2003

If Required, Foreign Filing License Granted: 12/04/2003

Projected Publication Date: 01/13/2005

Non-Publication Request: No

Early Publication Request: No

To 致伸 萬条產 发上。

Tiling Receipt 1頁!
from 水炭 点千隻

Title

METHOD FOR IMAGE PROCESSING BY UNSHARP MASKING

**Preliminary Class** 

348

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# Attachment 3

10/605,250	METHOD FOR IMAGE PROCESSIN	11-01- 2007::23:01:14	
Foreign Pr	iority		
Country	Priority	Priority Date	
CHINA	03145390.2	07-07-2003	

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(Also Form PTO-1050)

# UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION	•
	Page <u>1</u> of <u>1</u>
PATENT NO. : US 7,283,680 B2	1 agc 01 1
APPLICATION NO.: 10/605,250	
ISSUE DATE : Oct. 16, 2007	
INVENTOR(S) : Tzu-Hung Cheng	
It is certified that an error appears or errors appear in the above-identified patent and is hereby corrected as shown below:	that said Letters Patent
On the title page, item (30), correct the application number of the Foreign Application Priority to "03145390.2"	Data from "03145390"

MAILING ADDRESS OF SENDER (Please do not use customer number below):

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